



05 Dec 1952

## The Missouri Miner, December 05, 1952

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# THE MISSOURI MINER

Missouri School of  Mines & Metallurgy

VOLUME 39

ROLLA, MO., FRIDAY, DECEMBER 5, 1952

NUMBER 10

## Interfraternity Sing Tonight

### PRE-REGISTRATION BEGINS DEC. 8

#### PROCEDURE THE SAME AS WAS FOLLOWED LAST SEMESTER

Pre-registration for the spring semester 1952-53 will be held during the week beginning December 8, 1952. The following program will be followed.

Seniors and Graduate students will start pre-registering on Dec. 8th.

Juniors will start pre-registering on Dec. 9th.

Sophomores will start pre-registering on Dec. 10th.

Freshmen will start pre-registering on Dec. 11th.

Pre-registration will close on Dec. 13th at noon.

The classifications listed above are those which the student will have next spring, assuming he passes all his current schedule.

Students will complete their pre-registration with the department chairman, and then bring their schedules to the sectioning committee in Parker Hall.

Students taking essentially a second semester Freshman schedule will pre-register through the Registrar's Office, working in the Auditorium.

Those who have selected an advisor will be given a schedule already made out by the Registrar's Office, but in order that the department chairmen may have a chance to meet the freshmen and discuss their problems with them, the freshmen who have chosen their curriculum will be sent to their department for his signature.

Pre-registration will be conducted in the same manner as in the past, and the schedules turned in first will get choice of sections unless changes are necessary to balance sections.

#### Sig Ep Pledges Are Witnessing the Calm Before the Storm

The holidays are over and it seems that more than the usual turkey must have been consumed, judging from the bleary-eyed young men who returned to Rolla Monday night. Very haggard looking were Ray Stewart and Larry Held, who claim that they spent a very quiet week-end. How quiet fellas? George Stoddard and Bunny Howe both have had colds as a result of sleeping in the streets of St. Louis and Tony Bruskas is still claiming it was the cab driver who was last and not himself. Hank Andre has decided to get his suit cleaned before he attends church again as that red stuff (not blood) on the front of it caused some embarrassment over the week-end. Bill Roermerman and "friend" had an enjoyable time til the bars opened and Bill was forced to leave. Everything considered, everyone seems to have had quite a pleasant holiday.

At last class and culture have come to MSM. A few young men, deciding that this institution was lacking in the fine arts, have banded together and formed the "Four Thirty Club". This organization has as its aim: "To teach something new to each member each day". This is done each afternoon during which an hour of cocktails is served. The members find that it is the finest way to come to the end of a perfect day.

All arrangements have been completed for the Pledge Dance this week-end. The only worry now is what sort of skit the pledges have planned. Let them not forget that next week is Paddle Week.

#### ASME HEARS TALK ON FUTURE DEVELOPMENT OF ENERGY BY T. A. BOYD

The ASME-SAE sponsored a meeting last night for the entire student body. The speaker, Mr. T. A. Boyd, a veteran member of the General Motors Laboratories staff told student engineers here today that their success in industry will depend on how well they learn to apply knowledge.

T. A. Boyd, a GM Research Consultant, informed his audience: "In college your principal concern is the acquiring of knowledge. But you should try to learn also how to apply knowledge. For there is a difference, and to be a creative engineer you must be able to get knowledge and use it in a constructive fashion."

"You must know how to muster all the scattered information that is available and how then to bring it to bear upon the particular problem in hand," he emphasized.

Within the span of his own career, the speaker said, such developments as radio, television, atomic energy, Diesel locomotives, modern automobiles and highways, farm tractors and combines, the gas turbine and the jet engine had appeared.

"What will be the advances in your day? And what all will you men do to help bring them about?" he asked. "As the upcoming generation of engineers, you will do a great deal, I'm sure. I only wish I might still be around 20 years from now to see your 1973 models."

"Almost anyone would say, perhaps, that you can't run automobiles by radio," Mr. Boyd declared. "But in actuality we have always run them that way. To be sure, we have been running them on gasoline. What is gasoline, though, but energy radiated millions of miles from the sun to the earth in ages long past, and afterwards buried in the ground in the form of petroleum."

He pointed out that although exhaustion of petroleum and other oil sources is no immediate danger, these sources cannot last forever.

"Someday we are going to have to find another source of energy. That is going to be one of the big engineering problems in the years ahead. And the probability is that, in the end as in the beginning, it will be solved by radio—by energy radiated from the sun to the earth, not in ages long past but right within the period in which it is used," Mr. Boyd declared. "No one need say this can't be done, he added. For it has been computed that in only five weeks the earth receives in sunshine as much energy as it stored up in all our coal, petroleum, natural gas, oil shale and tar sands."

"The sunshine of five weeks is thus equivalent in energy to all the fossil fuels deposited on earth in all the millions of years. There is as much energy in the sunshine of a single day as in all the petroleum consumed since Colonel Drake drilled the first oil well. That is the superabundance of wealth coming down to us by radio, which someday we shall need to learn to tap."

Mr. Boyd explained that in modern industrial research a young engineer is likely to be faced with problems lying outside his particular specialty or outside the field in which he

(Continued on Page 4)

#### Int'l Fellowship To Hold Banquet Saturday Night

The International Fellowship Dinner will get into full swing next Saturday night at 6:30. This is the event which the Fellowship has been planning and working on for many weeks.

The International Dinner is held every year and is the big social event of the club. During the dinner the fellowship will have a chance to present to the students and faculty of MSM many of the foods, customs, and dress of other countries. The evening will be dedicated to the broadening of international friendship and goodwill. Through the festivities of the dinner the fellowship hopes to prove that idea that everyone in the world can be your neighbor.

The menu has been planned to include the foods of many foreign countries. The two main dishes of the menu will be Turkish Pilav, prepared by Aydin Cansever, and Chicken Curry, a dish of India, cooked by M. A. Waheb. Besides these dishes, several Greek and international salads will be made by the Greek students under the direction of C. Sidernis and J. Catsoulis. Coffee and pie will be served to remind everyone that they are still in the United States.

Various articles from foreign countries will be displayed during the dinner. These articles are common in their daily life but are strange to the people here in America.

After the dinner an evening of entertainment will be presented by the Fellowship members and their guests.

A Greek national dance will be performed by the Greek students of M.S.M. A one act Egyptian play entitled "In The Valley of the Nile" will be presented by Kay Tangri and other members of the club. The audience will then be kept mystified by Miss B. S. Sweikert, a guest from St. Louis, who will demonstrate her mind-reading ability.

The dinner will be held in the Parrish House of the Episcopal Church, Saturday, December 6 at 6:30 p.m.

The few remaining tickets may be purchased from B. M. Sedalia, President of the Fellowship.

#### ATTENTION UNIVERSITY DAMES!

Gifts for the Children's Christmas Party should be brought to the home of Mrs. Alice Hoppe, F 1 Jackling Terrace by Monday, December 8, 1952.

#### NEXT WEEK'S INTERVIEWS

Monday, December 8, 1952, Standard Oil Company, interviewer Mr. H. M. Steinger interested in contacting men in Ch. E., for their Indiana Dept.

Tuesday, December 9, 1952, Carter Oil Company, interviewer Mr. Taylor E. Little interested in contacting men in Mining, Min. Geol., Ch.E., ME, EE, and CE.

Tuesday, December 9, 1952, Combustion Engineering-Superheater, Inc., interviewer Mr. W. J. Woodruff, interested in contacting men in ME.

Wednesday, December 10, 1952, Hercules Powder Company, interviewer Mr. Cooper, interested in contacting men in Min. and Ch.E.

#### THETA KAPS TREASURED WINE KEG LOST TO PI CHAPTER IN SNOWSTORM

After an eventful Thanksgiving week-end the Theta Kaps have dusted the books clean and are once again carrying a studious air.

The past holidays, however, extended a chance to let off some steam in the way of a football game parties and a few other times.

On Saturday, the annual football game for possession of the TKP Wine Keg was played in St. Louis with Pi chapter of St. Louis University. There were about 40 Theta Kaps at the game, however, an abundance of Pi men would be putting it mildly. A deficiency of manpower along with an excess of snow enabled eskimos from Pi to eke out a victory (Score unmentionable at present). The game was called at the half because of the dust storm. A dance was held that night.

Friday night a party was held at O'Connell's Shack. The party was well attended by about 20 couples including some of the Alumni.

In the Greenfield area "Dann" VanBuskirk and "Coonskin" Lesyna went a-hunting. The net result in the way of ferocious game was a dove, a quail, and a variety of beautiful tail feathers.

In intramurals, TKP suffered initial defeats in both basketball and handball at the hands of Sigma Nu and TKE respectively.

#### SIGMA PI END THEIR VACATION WITH BIG SNOWBALL FIGHT

The Thanksgiving Holiday this year was going to be a time of stupendous scholastic accomplishment for those of us who remained in Rolla - but, somehow, the days went "whoosh", (not to mention those we misplaced altogether) and accomplishments amounted to what we really expected in the first place. Somehow, on Saturday night, the lows here at the house (namely Mosher and Hopler) got in with that nasty bunch from Theta Xi (namely Peck and Prager) and were led astray. Mosher (the Licorice Kid) couldn't take it though - however, he swears that it was the candy that did it.

Just before the Holiday, our basketball team played Lambda Chi in what was probably the most exciting game thus far in the intramural season. After the regular game ended in a tie, a 3-minute overtime period was played - also ending in a tie. When the second, or sudden-death overtime period was about a minute old, Rich Gotsch drove in for a two-pointer to decide the game.

We want to extend congratulations to Buddie Morris and Rich Reeg on their recent pledging to Theta Tau Professional Engineering Fraternity, and to Bob Amundson and Ray Williamson on their pledging Blue Key Fraternity.

Sunday night, 12th St. was the scene of a hunning snowball battle between the Miners of Sigma Pi and elements of Rolla High. We Miners were far outnumbered at first, but with our reinforcements returning from holiday battles in St. Louis, we emerged the victors. The question now is: will we become the victim of an all-out attack? Tune in next week and find out.

#### Prof. Lovett Attends Conference in Iowa

Prof. I. H. Lovett, chairman of the Electrical Engineering department of the School of Mines, spent three days last week at Iowa State College, Ames, Ia., attending an engineers' conference, studying power production.

He was the only college professor invited to the conference, at which he took part in discussions of new methods for meeting the present power needs of the country.

Prof. Lovett also inspected the new electrical engineering building at Iowa State, to get information for a similar much-needed building at MSM, which it is hoped will be obtained in the near future.

#### MR. W. H. MAINS SHOWS CE'S PICTURESQUE FILM OF CANADIAN RAILWAY

Last Wednesday, the Missouri School of Mines Student Chapter of the American Society of Civil Engineers had the distinct pleasure of hearing M. W. W. Mains speak on the new railroad being built to carry high-grade iron ore out of northern Labrador. Mr. Mains, Vice-President of the Armco Drainage and Metal Products Company, Inc. of Topeka, Kansas, illustrated his talk with some beautiful Kodachrome slides of the construction work and countryside near the right-of-way. The building of the 360 miles of heavy duty railroad of the Quebec, North Shore and Labrador Line is a terrific job, especially when undertaken by private capital, Mr. Mains said. However, this range of ore is, when developed, expected to be as large as the rapidly dwindling ore supplies of the Mesabi Range of Minnesota, if not larger.

The bad weather and the Thursday quiz sessions held the audience down to a comparative few. This group was however, rewarded for their attendance by one of the best talks to be heard by the A. S. C. E. in several semesters.

#### MR. KARL WOLF WILL SPEAK AT MEETING OF A.F.S. NEXT WEDNESDAY

Students and faculty members of all departments are invited to attend the A.F.S. meeting Wednesday night December 10 at 7:30 in Room G 10 New Met. Building. The speaker will be Mr. Karl Wolf of Nuclear Research and Development Inc. His topic will be "The Atom in Industry: Practical Uses for Radioactive Isotopes". The talk will not only cover radioisotopes for foundry use but will describe them as a general industrial tool. Door Prizes and refreshments!

#### Tekes Count Noses After Spending Long Thanksgiving Holiday

With the turkey day festivities gone for another year it's back to the books for everyone at the Teke House, that is for 19 more days. The usual after holiday bull session raged with new fury when we walked in and found the house inhabited by an unexpected guest, Miss Jill Arlingtrot, our new Great Dane, and to say the least we are real proud of her. It seems as though she had acquired the bad habit of massacring her former owner's goats. We all awakened Tuesday morning fearing Bob Beacherer may no longer be with us. Bob, you're gonna have to shave yourself or Jill may mistake all of your hair for a goat hide.

On the love scene we find Ray Reschetz minus his pin. The gal being Miss Marge Pfoff. Congratulations, Rip. And then there are characters like Jack Humphrey who didn't go home but substituted with a trip to Columbia. Ah yes, love must be grand. Tell us about it boys. Well, its is almost Christmas time and with that season comes the annual Teke Sweetheart Dance. The social committee has plans for quite a shindig so the future's not too dark it is later than you think. See ya around.

#### PROGRAM AT 7:30 P.M.; GOVATOES TO BE M C

Tonight the school auditorium in Parker Hall will be the scene of the annual Interfraternity sing sponsored by the Interfraternity Council of M.S.M.

As this event has been well attended in past years not only by students and faculty but by the people of Rolla as well, there is reason to expect a good turnout for this year's edition of the song fest. Past performances have been marked by colorful attire as well as good singing. First place went last year to Pi Kappa Alpha's entry, which sang "Honeymoon" and "Winter Wonderland" attired in white ties and tails.

The program, which will begin at 7:30 p.m. will be introduced by John Govatos, the master of ceremonies. Each fraternity will sing two songs, one fraternity song and one popular number. The fraternities will be heard in order as follows:

Kappa Sigma, directed by Bob Catron: — "This Is My Country," "When the Lights of the Chapter Are Lowered."

Triangle, directed by Bill Paar: — "The Ranger Song," "Triangle Love Song."

Theta Kappa Phi, directed by Jack Greiten: — "September Song," "Gaudemus Igitur."

Sigma Nu, directed by Connelly Sanders, Jr.: — "March of the Musketeers," "White Star of Sigma Nu."

Pi Kappa Alpha, directed by Bob Tellefsen: — "There is Nothing Like a Dame," "Dream of Pi Kappa Alpha."

The judges this year will be Dr. A. W. Schlechten of the Metallurgical Engineering Department, Prof. D. H. Erikletian of the Mathematics Department, and Mrs. Ewing, Director of Music at Rolla High School. As in past years judgement of the entries will be based upon tone quality and control, intonation, vocal balance, and technique.

#### CONTRIBUTIONS SOUGHT BY AIME FOR PURCHASE OF SCHOOLER MEMORIAL

Friday, December 5 is the day which has been set by the A.I.M.E. to accept contributions for the purpose of purchasing a Memorial to the late Professor D. R. Schooler.

A booth will be set up in the hall of the mining building and contributions will be accepted from eight until five o'clock.

A D. R. Schooler Memorial Committee has been at work for some time raising funds for this memorial. Several contributions have been received from the alumni. It has not been decided definitely what kind of memorial will be purchased. This will depend on the amount of money contributed. Suggestions from the students and faculty as well as contributions will be appreciated by the committee.

#### MSM Grad Advanced By Anaconda Co.

James F. Smith, a metallurgical engineering graduate of the School of Mines, has been named to a managerial position with the Anaconda Aluminum Co., at Columbia Falls, Mont., according to word received by friends here.

Smith, who has been with the Anaconda Copper Mining Co., and its subsidiary company since 1926, has been assistant superintendent of the company's copper refinery at Great Falls, Mont.

#### Missouri School of Mines Chapter of Sigma Gamma Epsilon Sponsors "The Compass" for November

Eta Chapter of Sigma Gamma Epsilon, National earth science fraternity, at MSM has sponsored the November issue of "The Compass" national magazine of Sigma Gamma Epsilon. The recently published November issue features articles by seven students, six of which are members of Eta Chapter. One article was contributed by an MSM graduate, an associate member of Eta Chapter.

It has been the policy of the national magazine to publish acceptable articles from any contributors to the magazine. Also chapter sponsors are desired for

at least half of each issue. Eta Chapter voted to sponsor the November issue of the magazine. The articles written by MSM students appearing in the November issue of the Compass are as follows:

The Earth Science Departments At Missouri School of Mines and Metallurgy—Eugene J. Kirk

Indications of Ancient Climates—R. B. Weiss

Some of the Recent Developments in the Investigations of the Earth's Crust and Oceans—C. Kipp Ferns

The Gravity Meter and the Study of Gravitation—W. R.

Higgs

The Use of Multipliers in Gravimetric Interpretations—R. J. Miller and D. M. Rodriguez

Sand—From the Ground to the Foundry—J. H. Schemel

Sand in the Foundry—A. S. Neiman

Methods of Forming Ceramic Ware—W. T. Harper

Eta Chapter was reactivated on the Campus last year. Since the election of Prof. W. R. Higgs as national Secretary-Treasurer last year MSM has been the national headquarters of Sigma Gamma Epsilon.



## THE MISSOURI MINER



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## The Old Rat Hole

The Old Rat, still in sad condition as a result of over celebrating the Thanksgiving holidays, managed to jot down an interesting story related to him while visiting another campus over the holidays.—Ed.

I was listening to Dave Garroway one night when Gregory, my roommate, turned to me and said, "Joe, I've got an idea. I had just taken a mouthful of popcorn and spent the next five minutes strangling. Whenever Gregory announces that he has got an idea, I start reacting violently from force of habit.

Gregory had three ideas last semester. The first one concerned a new method for being first in line for tickets to the spring prom and had resulted in my being locked overnight in the restroom in the basement of the school auditorium. The second was a home-brew recipe that gave us both cramps, and the near catastrophe from the third still causes me to wake up screaming in the middle of the night. He thought he had discovered a foolproof way to forge identification, and that evening I spent fifteen minutes with the excise man which were the longest and most agonizing fifteen minutes I have ever spent.

Ignoring my obvious distaste for any of his mental processes, he began talking fast—Gregory always talks fast. "Now here's the way I look at it. The fall prom is coming up in two weeks and voting for the queen starts in 12 days. I have a theory that nine-tenths of the people in this university don't know who they are voting for, and what's more, I can prove it!

Despite my unpleasant past experiences brought on by listening to Gregory, I began paying attention to him. Queen contests had always been one of my pet peeves, and I was willing to do anything, even to getting led astray by my roommate, to expose them as the completely fouled-up things they were.

Gregory began talking and a fanatical gleam appeared in his eye. "I'm positive that the students would vote for any girl that got a big build-up whether they know her or not, so I've decided to start a campaign for a candidate that doesn't exist, and if she wins, it should mean the end of all queen contests! Can you suggest a name?"

"Yvonne La Touche", I said. After I said the name, I had a sudden feeling that I had heard it before but I finally decided it was too flashy for any living person. Gregory immediately started making plans for the big campaign.

The next morning the alarm went off at six o'clock, and my roommate jumped out of bed and began throwing on his clothes. I pulled the covers up over my head and asked him what his trouble was. Scarcely pausing long enough to answer he yelled something about posters and handbills and dashed out of the room. I then remembered his "idea" and a small doubt began gnawing at my drowsy

mind. Telling myself that nothing could possibly go wrong, I closed my eyes and fell asleep.

Whoever thinks that P. T. Barnum was the world's greatest showman has never seen Gregory in action. For two days I and his various professors, saw only blurred glimpses of him as he dashed around the campus making preliminary maneuvers for the coming battle. Every morning I found an itemized list on the desk of things that I should do.

From some unknown source, which I was afraid to look into, Gregory got enough money to print 100 posters and 1000 handbills. These proudly proclaimed that Yvonne Le Touche' was the choice of the organized, unorganized and disorganized students. She was said to be the most gorgeous, alluring thing that ever hit campus and that the mere sight of her drove men mad. Since we didn't want to drive the entire student body mad, the posters went on to say, we couldn't print any pictures of her.

For the next two weeks I literally wore my fingers to the bone typing propaganda releases for the school paper, and nailing handbills to trees as fast as the campus cops tore them down.

We let ten of our friends in on the secret, and the twelve of us spent all our spare time talking to every possible voter that we saw. The night before voting we had a big torchlight rally, and by the time Gregory got through with his rousing pep talk, every student there seemed convinced that to vote for Yvonne La Touche' was the only worthwhile thing in this world. I was sitting on the platform and had to keep my fist stuffed in my mouth to keep from bursting out in maniacal laughter.

As the students filed into the voting place the next day, we handed each one a stick of chewing gum and a handbill singing the praises of the luscious La Touche'. The polls closed at five, and at six-thirty the judges announced the decision. The students' choice was—Yvonne La Touche'. Gregory began quietly going insane with joy, but somehow I couldn't even manage a feeble smile. Something was wrong.

The night of the prom finally arrived. Gregory and I had decided that it would be best not to take dates, since he was sure that we'd be surrounded by an admiring throng as soon as he queen crowning was found to be lacking a queen. I also thought it would be best not to be hampered by anyone needing protection in case a lynch mob formed, but Gregory insisted that everyone would think it was a great joke. He had decided to let them worry for a while and then stroll up to the microphone and casually disclose the whole plot.

At the intermission, the band blew a fanfare, which was to signal the start of the crowning

(Continued on Page 4)

## Popular Science

To the Editor,  
Missouri Miner,  
Dear Sir,

Whilst sitting in on the Mine Ventilation course last semester, I suddenly hit on the idea for a self-emptying ash-tray. In view of the large number of smokers who have to empty their own ashtrays, this new device should be very useful.

Mr. Higgins of the Geology Dept. gave considerable advice as to the mechanical design of the cigarettes to be used, whilst the whole of the Arithmetic Dep. helped in the working out of the stress equations concerning the shape of the sides. Rather than go to the trouble of asking Prof. Writtenbarn for advice on the electrical circuits, I worked them out myself.

The Ashtray is circular in plan, and has a small photo-electric cell fixed on one side. The cell receives light from a small electric light bulb, which is placed diametrically opposite to the cell. When the ashtray becomes heaped up with cigarette butts, the photo-electric cell is shielded from the light source. This cutting off of the light activates servo-mechanisms (through an amplifier), which switch on a small but powerful electric fan. The fan is also situated on the edge of the ashtray. The horsepower of the fan motor is such that the ashtray is emptied in a very short time. The whole design is based on the well known fact that cigarette ash is a very good insecticide for the killing of moths in rugs.

Respectfully submitted,  
J. Bodwin Clatworthy.

## Uptown THEATRE

— Rolla, Mo. —  
— Always First Run —

Fri.-Sat., Dec. 5-6  
Shows 7 and 9 p.m.  
Richard Conte, Barbara Britton  
"THE RAIDERS"

Sun.-Mon.-Tue., Dec. 7-8-9  
Sun. continuous from 1 p.m.  
Irene Dunne - Dean Jagger  
"IT GROWS ON TREES"  
Wed., Dec. 10 - 1 Night Only  
Shows 7 and 9 p.m.  
Gene Tierney - Cornell Wilde  
"LEAVE HER TO HEAVEN"

LET'S GO TO

## The RITZ Rolla

ALWAYS COMFORTABLE

Fri.-Sat., Dec. 5-6  
Sat. continuous from 1 p.m.  
Jean Peters - Walter Brennan  
"LURE OF THE WILDERNESS"  
and  
Pat O'Brien in  
"CRIMINAL LAWYER"

Sun.-Mon.-Tue., Dec. 7-8-9  
Sun. Continuous from 1 p.m.  
Cornel Wilde - Maureen O'Hara  
"AT SWORDS POINT"

Wed., Thurs., Dec. 10-11  
Bargain Nights 10 and 20c  
George Murphy - Virginia Gilmore  
"WALK EAST ON BEACON"  
and  
"M"

## ROLLAMO THEATRE

— Rolla's Family Theatre —

Fri.-Sat., Dec. 5-6  
Sat. continuous from 1 p.m.  
Guy Madison in  
"RED SNOW"  
and  
"APACHE COUNTRY"  
With Gene Autry

Sun.-Mon.-Tue.-Wed.,  
Dec. 7-8-9-10  
Sun. continuous from 1 p.m.  
Brian Donlevy - Gigi Young  
"SLAUGHTER TRAIL"  
and  
"SEALED CARGO"

Thursday, Dec. 11  
Screen Test Night  
Spencer Tracy in  
"PAT AND MIKE"

## Letters To The Editor

Springfield, Mo.  
November 20

To the Editor,

In answer to a lettering appearing in the November 14 issue of "The Missouri Miner" pertaining to the Homecoming displays, could "Name Withheld" be a wee bit jealous?

I was in Rolla at that time as a guest of the "50th Anniversary" organization, and I was not the least bit offended by the Sigma Nu display.

Taking into consideration that people went out of their way to view the "indecent, vulgar, and generally immoral" display, I think they deserved some recognition.

It is not in my opinion that inferiority was shown in their display, but ingenuity. "Name Withheld" stated that the Triangle fraternity display was obviously superior to that of any on the campus. I, for one, do not remember it. If "Name Withheld" does not approve of vulgarity and immorality, I wonder if he has ever read the Green Sheet. I'll bet he has never missed an issue.

I feel that printed criticism of other organizations is in very poor taste on the part of the author, and quote a Miners reaction to the letter: "What knot-head wrote that?"

S. W.

The gunman rushed into the saloon waving and shooting his gun and yelling: "All you dirty scuds scam outa here."

All the patrons left except one mild-looking man who remained at the bar drinking.

"Well," barked the gunman. "Goodness," observed the mild one, "there certainly were a lot of them weren't there?"

A beautiful girl was walking along the sidewalk one evening on her way to the movie. She noticed a small bird lying at the side of the walk with a broken wing. Instead of going to the movie she took the bird home, bandaged its wing, and fed it. In a few weeks the bird was well enough to fly away.

Now let's see you guys find anything dirty in that.

## SNO-WITE GRILL

Tasty, Healthful Food  
Pleasing Atmosphere  
Efficient Service

Next to Ritz Theatre on Rolla Street

## TUCKER DAIRY

Always Ask For...

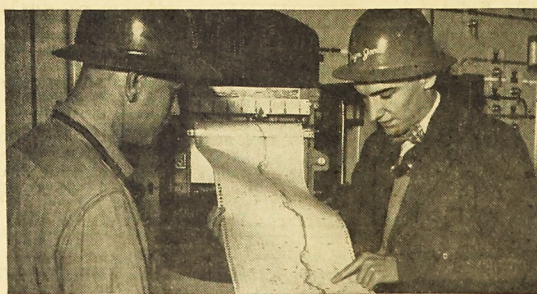
TUCKER'S ICE CREAM

Rolla, Missouri

## THE DU PONT DIGEST

## Plant and Equipment Design and the Engineer

At Du Pont, men with many types of training translate laboratory developments into full-scale production



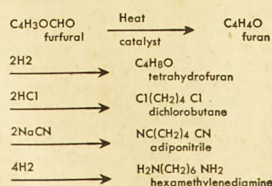
Roger Jones, B.S. in Chem., Haverford College '52 (right), and operator check temperature control in the conversion of furfural to furan.

Among the most interesting fields for engineers at Du Pont is the design of plants and equipment.

It takes ingenuity of a high order to translate a small-scale laboratory operation into all-out commercial production. Design engineers cannot always use purchasable equipment to scale up research findings, even with considerable adaptation. About half of the time at Du Pont, entirely new equipment must be designed because of the novelty of the process developed by research.

For example, a number of unusual problems were involved in designing the equipment and plant for a process in which hexamethylenediamine, one of the intermediates for nylon, is made from furfural, derived from such agricultural by-products as corn cobs and hulls of cottonseed, oats and rice.

In this conversion, these steps are involved:



Here are some of the special problems that were encountered:

1. Design of equipment with close temperature control for converting furfural to furan. The design finally settled on employs a large number of tubes containing a catalyst, with a coolant circulated around them. Special sequence

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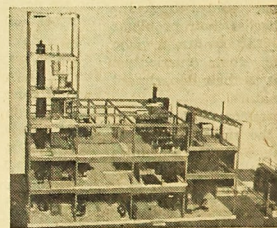
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Scale model of a part of the plant where adiponitrile is made from furfural.

timers were devised for operation of the valves controlling production and regeneration cycles.

2. Design of high-pressure agitated autoclaves for the hydrogenation of furan to tetrahydrofuran.

3. Selection of corrosion-resistant equipment for the hydrochlorination of tetrahydrofuran to dichlorobutane at high temperatures.

4. Design of a unique five-step distillation train to obtain high-grade adiponitrile without trace impurities.

Although most of these problems involve a great deal of chemical engineering, also needed on the designing team were mechanical, electrical, civil, metallurgical and industrial engineers. Thus design work at Du Pont is open to men with many types of training, and there is abundant opportunity for all.



E. W. Griffin, B.S. in M.E., Duke; M.S. in Ind. Mgt., Georgia Tech '52 (right), instructs operator in handling of vapor-tight horizontal vacuum filter used in separating adiponitrile from sodium chloride.

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Dan Grofke, Sports Editor

FRIDAY, DECEMBER 5, 1952

THE MISSOURI MINER

PAGE 3

# CAGERS LOSE FIRST TWO GAMES

## Losses to Harris and Washington U. Mar Quintet's Record

### Freshmen Star in 54-67 Defeat By Harris; Skubic High Pt. Man

Last Monday night the Missouri School of Mines Basketball quintet opened their 1952-53 season before a sparse crowd at Jackling Gym. The game was 45 minutes late in starting, due to icy roads which hampered travel between St. Louis and Rolla. The snow and ice didn't hamper the scoring ability of the Harris Teachers as they scored consistently on shots from out-court and free throws.

Harris took and early lead when Herrscher sunk a free throw with about a minute gone in the first quarter. Another quick basket made the score 3-0 before the Miners were able to score their first point of the season. The opening minutes set the pattern of the game as the Miners were always fighting up from behind. The score at the end of the first ten minutes of play, the first quarter, read: Miners 13, Harris 16.

The Miners put on a little steam to come up and tie the score at 30 all when the horn sounded signifying the end of the first half. At the start of the second half, the Silver and Gold took the floor with renewed vigor and actually managed to pull ahead about the middle of the third quarter. But that rally was short lived and the last the Miners were to make that evening as Harris increased their lead to 43-49 at the end of the third quarter. One of the strongest teams Harris has sent down here in several years put an end to any Miner hopes for a victory in the opening game of the season as they outscored the Silver and Gold 18 points, to 11 points in the final quarter. The final score read Miners 54, Harris 67.

Ray Skubic led the Miners in the scoring department with 18 points. He was followed by Murphy, a very promising Freshman cager, who had 12 points. Herrscher led the Harris team with 15 points.

Wednesday night the cagers traveled over the thin dry pavement to St. Louis, where they met a powerful Washington U. quintet that trounced the Miners by the score of 50-82. The Silver and Gold were in contention in only the first quarter, at the end of which the score stood at 11 for the Miners and 17 for Washington U. In the second quarter the Bears opened up with their big guns and began to pull away from the struggling Miners. The score stood at 17-39 at the end of the first half.

From there on it was a walk-away as the Bears continued to pile up points. The Miners scored 19 points in the third quarter but were also paced by the Bears with 20 pts. The final score of the game was 50-82, spelling the second Miner defeat in as many games.

## INTRAMURAL Sports

Another week of intramural sports has gone by and the teams are shaping up very well.

November 19th, in the hardwood circuit, saw the Tech Club come from behind by 2 points at the half to win 53-39 over the Wesley Foundation. Highfill scored 17 points for Wesley to crop the scoring honors. Also that night Sig Ep edged by Pi KA by only one point 44-43. Hampel was high point man with 20 of Sigma Ep's 44 points.

On Thursday Gramlich, with 14 points, led the Eng. Club to a 44-27 victory over the Tekes. Later that evening Sigma Pi, in the closets game of the season, edged out a 48-46 victory over Lambda Chi in the second overtime period. The score was tied 46 all at the end of the game and remained the same at the end of the first overtime. During the second overtime period Cotch sank a field goal to pull the game out of the fire for Sig Pi.

Monday night Sigma Nu beat Theta Kappa Phi 33-31. Gillam was high point man, scoring 15 points.

On Thursday, the 25th, Kappa Alpha, in the first half of a twin bill, beat Theta Xi 32-24. Meyer, scoring 15 points, captured the scoring honors. In the second game of that evening Kap Sig doubled the score on Wesley beating them 46 to 233. Ellis was high point man, scoring 10 of Kappa Sigma's points.

On the handball court Theta Xi's Gjelsteen and Prager beat the Lambda Chi boys, and came back on the 21st to beat Kap Sig. On the 24th, Sigma Pi won over the Pikers.

In the singles division all games were in the loser's bracket. On the 10th Fitzgerald for the Tech Club beat the Engineers Club representative Middleton. Sigma Nu's Gray won over Pi KA. On the next day, the 20th, TKP beat Beta Sigma Psi, and Kap Sig beat Sig Pi. Friday saw the Tech Club beat Triangle and Sigma Nu beat Wesley. On Monday, LeBrun of TKP beat Canady of Theta Xi and Kap Sig's Huffman, beat Bruer of the Independents.

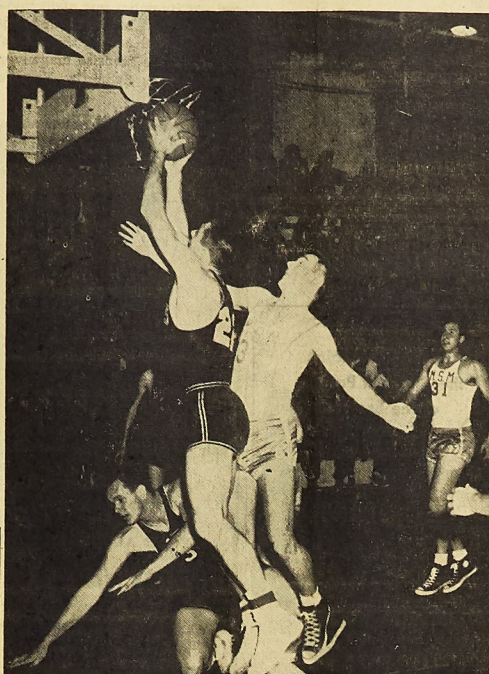
Monday the preliminaries for the Intramural swimming will start. The finals start at 7:30 Tuesday night in the following categories: 120 yd. Medley, 120 yd. free style, 160 yd. free style relay, 60 yd. individual medley, 60 yd. back stroke, 60 yd. breast stroke, and diving. Each organization is limited to one entry per event and no one may enter over two events.

Definition of a shot: That which, if some people have more than one of, they are half.

A shoulder strap is a piece of ribbon that keeps an attraction from becoming a sensation.

I was out with a stuffed shirt last night, but on her it looked good.

## Up for the Rebound

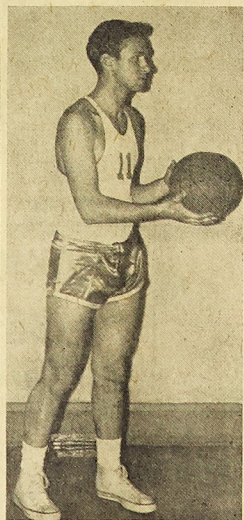


Johnny Miles, No. 34, is shown reaching for the rebound after the shot by Skubic, No. 31, missed the bucket. The Miners lost this game to Harris, 54-67.

## Introducing . . .

### RAY SKUBIC

Ray Skubic, the hard luck forward of last season, barring further trouble will be a member of this year's starting team. You'll remember Ray was the boy, who after the first game, was unable to play due to an appendectomy. However this year the 6' St. Louisian is out to make up for lost time. In St. Louis Ray lettered three years at St. Mary's High School. He counts baseball as his hobby and finds time to be a member of the Rollamo board. Ray is a sophomore in the civil engineering department.



### RAY SKUBIC

### TIME OUT

They parted at the corner. She whispered with a sigh. "I'll be home tomorrow night." He answered, "So will I."

Burglar: "Please let me go, lady. I never did anything wrong."  
Old Maid: "Well, it's not too late to learn."

Famous last words: "Hell, he won't ask us that."

Bob: I beg your pardon, Miss, but this would have never happened if you had not stepped between me and the cuspidor.

Adam and Eve were the first bookkeepers . . . they invented the loose leaf system.



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## Warrensburg Coach And Three Players Injured in Auto Wreck

Coach Earl Keth, head basketball coach at Warrensburg, and three players, two of them first string, were injured in an auto mobile accident early this week. Keth and the three students were on their way to Liberty, Mo., for a practice game against William Jewell. Those injured in the collision were:

Keth, who suffered back and chest injuries.

Jack Mahaffie, cut left elbow, separated shoulder, slight concussions.

Dick Smith, ear and shoulder injuries.

The loss of Smith and Mahaffie will seriously hamper the Mule quintet. Smith, a senior 6 foot-5 inch letterman, is the Mule mainstay under the basket. Mahaffie, a junior two year letterman, is the only regular back this year from last season's starting five. Case, a sophomore, playing his first years on the varsity, is a front line Mule reserve.

## MISSOURI SCHOOL OF MINES

### Basketball Schedule

Wed. Dec. 10	Westminster	A
Sat. Dec. 13	McKendree	H
Tue. Dec. 16	Westminster	H
Fri. Dec. 19	Cape Girardeau	A
Sat. Jan. 10	Warrensburg	H
Thur. Jan. 15	Cape Girardeau	H
Sat. Jan. 17	Kirkville	Home
Sat. Jan. 24	Harris T'chrs.	H
Fri. Jan. 30	Maryville	A
Sat. Jan. 31	Kirkville	A
Wed. Feb. 4	Washington U.	H
Sat. Feb. 7	Concordia	H
Tue. Feb. 10	Springfield	H
Sat. Feb. 14	Maryville	H
Tue. Feb. 17	Warrensburg	A
Tue. Feb. 24	Springfield	A

## Miners Place 3 Men on First String of All Star MIAA Conference Team

### Maryville Gets 4 of Eleven Places, Kirksville and Springfield Get 2 on First Team

The 1952 M.I.A.A. football season, which saw every conference team lose at least one game, was reflected in the All Star Team as selected by the Conference football coaches. The All Star Team this year is a veteran squad, with six seniors, and five juniors winning the coveted places on the first eleven.

The Miners placed 3 men on the first team: Walt Smith, Parker Bennett and William Roemmerman. Maryville led the six team conference with 4 men on the first string while Kirksville, who tied with Maryville for the conference crown, placed only two men on the first string. Warrensburg and Cape Girardeau brought up the end as they failed to place anyone on the first string.

Kirksville led the conference in men placed on the second team with four men. Warrensburg had 3, Cape Girardeau had 2 and Maryville and Springfield each had one man on the second string.

The Conference coaches were glowing in their praise of the three Miner selections for the first team. Walter Smith, a 6' 1", 190 lbs. senior, played offensive

end and defensive tackle, caught 13 passes for 225 yards, three of which resulted in touchdowns. Parker Bennett, a 6', 175 lbs. junior, who played on offense, and tackle and guard on defense. The opposition found the going tough through his position all year long. The third Miner to make the first team was Bill Roemmerman, a 6' 1", 190 lbs. junior, who was the leading ground gainer for M.S.M., averaging 4.79 yds. per try, scored 3 touchdowns himself and led to many others with his deadly blocking. He also caught 7 passes for 98 yds.

### First Team

End — George Coulter, Maryville, Senior. (Capt.)

End — Walter Smith, Rolla, Senior.

Tackle — Loyce Sowell, Springfield, Junior.

Tackle — Carl Leffingwell, Maryville, Junior.

Guard — Parker Bennett, Rolla, Senior.

Guard — James Gillette, Maryville, Junior.

Center — Laverne Dabney, Kirksville, Senior.

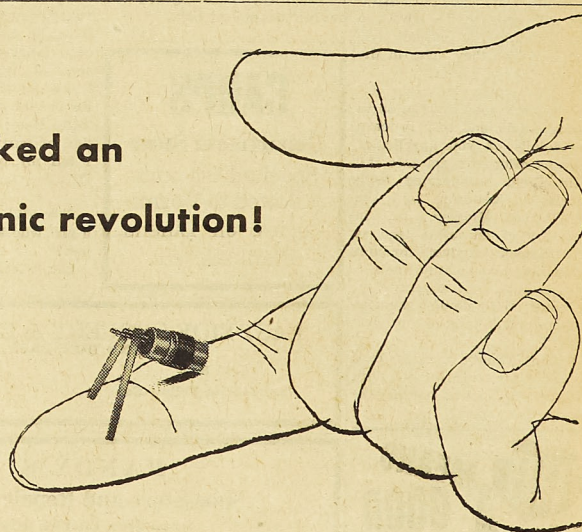
Back — Edward Bender, Kirksville, Senior.

Back — William Roemmerman, Rolla, Junior.

Back — Paul Tobin, Maryville, Senior.

Back — John Batten, Springfield, Senior.

## It sparked an electronic revolution!



The 2A Transistor illustrated is designed to fit a plug-in socket. In one use in the Bell System, ribbon leads are employed as shown above.

Perhaps you've heard something about the transistor—a tiny and mechanically simple electronic device based on an entirely new principle. It can do many things a vacuum tube can do—yet its greatest possibilities may lie in applications where vacuum tubes have not been used.

A few years ago this revolutionary device was invented and experimentally made by scientists at Bell Telephone Laboratories. Today, several types of transistors are in production at Western Electric—manufacturing unit of the Bell System.

This didn't just happen! Its manufacture is the result of a lot of teamwork by Western Electric engineers of varied skills and training.

Transistors are unimpressive looking little things, but don't let that fool you! The most delicate metallurgical and manufacturing skills

are required in their production. In one type of transistor there are three thin adjacent regions of germanium, each region containing chemical elements in exact quantities, the whole unit being no larger than the head of a match! Suitable leads, or wires, must be positioned in proper relation to these layers with utmost accuracy, using microscopes and oscilloscopes.

Transistors can do many things: transform radio energy for driving a telephone receiver or loudspeaker—amplify weak signals—generate a-c current—convert a-c to d-c—respond to light—increase, decrease or halt the flow of current. Small and rugged, they're going to work today in the Bell System and in varied types of military equipment.

Quantity producing these mighty mites—with laboratory precision—is typical of many forward-looking engineering projects at Western Electric.

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## CHI EPSILON TO INITIATE SIXTEEN NEW MEMBERS

Chi Epsilon, honorary Civil Engineering Fraternity will initiate twelve new active members, two alumni members and two honorary members immediately preceding their initiation banquet at 6 p.m. this evening. The two honorary members are L. J. Sverdrup, president of Sverdrup and Parcel Inc., and Enoch R. Needles, Clifford D. Muir and James Searcy will be the two new alumni members. The active members that will be initiated are:

Martin A. Frey  
Jack K. Wade  
Donald E. Proctor  
Donald L. Gegel  
Bernard R. Juskie  
William F. Geisler  
James K. Highfill  
James P. Goeddel  
Thomas R. Fowler  
Marris G. Southall  
James A. Gerard  
Walter Smith

Approximately thirty-eight members are expected to attend the initiation banquet which will be held at the Colonial Village at 6:00 p.m. Mr. Sverdrup will be the principal speaker at the initiation banquet.

## A. S. M. E.

(Continued from Page 1)

was formally trained. By way of illustration, he said that in GM Research Laboratories one man trained in electrical engineering has gradually evolved into a top man in the field of engine development that another whose college training was in mechanical engineering has won an international reputation for his contributions to metallurgy.

Mr. Boyd urged students to "concentrate on laying a foundation in the fundamentals of science and engineering, a foundation solid enough and broad enough for you to build on it a successful career in almost any business."

"You may not have to go quite so far as to be to do anything," he said. "But, to be successful, you will need to be able to adapt yourself to various circumstances as they arise in the course of your career."

"So it is much better in college to lay a good foundation in fundamentals, and then to learn the details of your particular business after you get into it."

Mr. Boyd collaborated with Charles F. Kettering and the late Thomas Midgley, Jr., in discovery of tetraethyl lead as an antiknock compound for both automotive and aviation fuels.

Doctor: "Why do you have the number 32478 tattooed on your back?"

Patient: "That's no tattoo. That is where my wife hit me with the car while I was holding the garage door open."

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## Old Rock House Plans For Christmas Dance And 25th Anniversary

After five days of freedom from the Salt Mines, the boys at the Old Rock House were eager to return last Tuesday, as could be seen by the number of men who were up to attend their eight o'clock classes. (Being a negative hour day had nothing to do with it, of course.)

Another commuter was added to our ever-growing list of those who have bitten the dust. The latest took place over the Thanksgiving holidays when Brother John Phillips was married to Miss Betty Stewart - oops! Goodwin, of Granite City, Illinois. Best of luck, Betty and John.

The hoopsters lost a close game to Sig Ep last Tuesday by three points, 32-29. Ted Macios took top scoring honors with thirteen points. "Pinhead" Metcalf played a hard-fighting game, as he charged through the line several times to score buckets.

Swimming Coach "Flippers" Paladin has his boys hard at work - practicing (?) for the intramural swim meet next week. Some of the boys have even gotten their feet wet. There's nothing like being in condition.

Everyone is looking forward to the combined Christmas Dance and Twenty-Fifth Anniversary Celebration of next weekend. A banquet is planned for Saturday evening with the National President of Triangle Fraternity as guest speaker. Many Alumni are expected, going as far back as the Grubstakers, to help us celebrate.

By unanimous vote, Tom "Four Cylinder Hotrod" Quinn has been chosen to occupy the position of Lord High Parking Lot Attendant for the house. He's the only one who can fly in under the porch without taking off all four fenders.

Question - Whats the switchboard for under the dash of the Grey Goose that Ruch and Greaves have been working on?

Grandmother (looking at granddaughter's new bathing suit): "If I could have dressed like that when I was a girl, you'd be six years older today."

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## GETTYSBURG COLLEGE STUDIES IDEALS OF CHRISTIAN COLLEGES

Gettysburg College is participating in a Research Study Project, a joint division of the National Council of Churches of Christ and the American Association of Colleges and Universities, to determine the real meanings and aims of a Christian college.

The project has undertaken the study of 250 church-affiliated colleges throughout the United States. The project carries on its work by means of correspondence, area conferences and summer workshops. Each of these participating colleges is represented by a committee of faculty members appointed by the president.

The basis for the study is an investigation of fundamental topics concerning the college and its environments. The question of how much the religious, racial and political background of an individual applying for admission to a Christian college should be considered before he is accepted is an example of the problems to be met.

Qualifications of faculty members, what subjects should be included in the college curriculum and the participation of students in extracurricular activities are also included in the plan of study. Relationships within the college of the administration, the board of trustees, the faculty and the students, and off-campus relationships of the college with the town, the church and the alumni will be considered.

The benefits to be realized as a result of this study include: (1) each college will be able to profit by its own self-evaluation and by comparison with other colleges; (2) the study will provide a firmer and more common basis for understanding among all church colleges.

"Business ethics," the car dealer told his son, "is something you couldn't do without. Take today for instance. A man comes in and pays me a hundred-dollar bill to clear up his account. After the man leaves, I find two bills stuck together. He has paid me \$200 instead of \$100. Here, my son, is the question of business ethics. Should I tell my partner or shouldn't I?"

She: "What would you say to a girl who kissed every boy she met?"  
He: "Pleased to meet you."

## THE OLD RAT HOLE

(Continued from Page 2)

ceremonies. There was a long silence and then a feverish whispering was heard coming from the side of the bandstand. After a three-minute wait during which I felt a cold sweat running down my back, the vice-president of the university stepped to the microphone, blinked twice, opened his mouth four times before any sound came out, and finally gasped, "I . . . now present . . . the prom queen . . . Miss Yvonne La Touche."

A fat peroxide blonde that could easily have been the first baby kissed by Abraham Lincoln lurched up to the microphone and threw a dazzling smile, which revealed a missing front tooth, at the crowd. As the stunned group broke into feeble applause, I suddenly remembered where I had heard the name "Yvonne La Touche" before. My knees gave out, and I sat down with a thud on a potted geranium. Gregory turned and stared at me, but I couldn't

return his look.

Yvonne put one hand on each of her ample, sequin-encased hips, and began screeching in what was evidently meant to be a Southern accent. "I do appreciate this here honor. I didn't know you folks here in the university thought so much of li'l Yvonne. I special wanna thank the two sweet boys responsible for my being queen of this here prom. Namely Gregory . . ."

As my roommate and I dove out the window, I thought bleakly of a news item I had read the semester before in the local paper. "City police last night raided the town's notorious 13th ward district. Among the 'ladies' caught in the surprise maneuver were Gladys Schertz, Yvonne La Touche."

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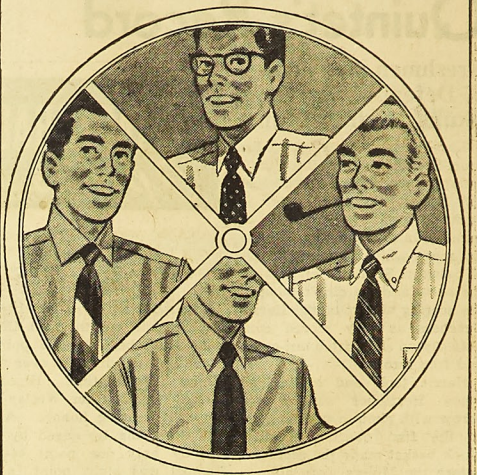
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Darlene Davis  
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Edward Siegel  
University of Florida